

Serial No. 10/614607
Docket No. 614359-82664

IN THE CLAIMS

Please amend the claims under 37 C.F.R. § 1.121(c) as set forth below.

IN THE CLAIMS

Please amend the claims under 37 C.F.R. § 1.121(c) as set forth below.

1. (Currently Amended) A gripper assembly which comprises:
 - a body;
 - an actuator coupled to the body;
 - first and second opposable jaw members being pivotable in opposite directions about coincident axes;
 - wherein each jaw member comprises a cam slot;
 - wherein each cam slot is a space formed by opposed cam walls located in the jaw member;
 - wherein the cam walls form a locking portion and a pivoting portion;
 - wherein the distance between the cam walls of the locking portion is substantially equal to the distance between the cam walls of the pivoting portion;
 - a cam pin attached to the actuator and movable in first and second directions ;
 - wherein a portion of the cam pin is located in each cam slot such that when the cam pin engages each locking portion ~~they~~ the locking portions act on the cam pin to selectively prevent ~~[[it]]~~ the cam pin from moving in the first and second directions to hold the opposable jaw members.

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2. (Original) The gripper assembly according to Claim 1, wherein the locking portion is substantially a straight slot portion.
3. (Original) The gripper assembly according to Claim 1, wherein the pivoting portion is substantially a curved slot portion.
4. (Original) The gripper assembly according to Claim 1, wherein the slot is closed at each end.
5. (Cancel)
6. (Previously Presented) The gripper assembly according to Claim 1, further comprising a rod that is engagable by the actuator and connected to the cam pin.
7. (Previously Presented) A modular gripper assembly which comprises:
 - a body having a fluid driven actuator;
 - first and second jaw members;
 - wherein each of the jaw members are caused to move by the fluid driven actuator;
 - wherein each of the jaw members are pivotal about an axis in opposed directions;
 - wherein each of the jaw members has a through-slot disposed therein;
 - wherein each through-slot has first and second closed ends;
 - wherein each through-slot has first and second locking segments located between the first and second closed ends; and,

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wherein the first locking segment is located adjacent the first closed end and the second locking segment is located adjacent the second closed end;

a pin extending into each through-slot, movable in first and second directions therein between the first and second closed ends; and

wherein the first locking segment selectively prevents the pin from moving in the first and second directions to hold each of the jaw members in a closed position until driven by the actuator.

8. (Cancel)

9. (Cancel)

10. (Previously Presented) The modular gripper assembly of Claim 7, wherein the second locking segment holds each of the jaw members in an open position until driven by the actuator.

11. (Previously Presented) The modular gripper assembly of Claim 7 further comprises a central pivoting segment located between the first and second locking segments.

12. (Previously Presented) A gripper assembly which comprises:

a body;

an actuator coupled to the body;

first and second opposable jaw members being pivotable in opposite directions about coincident axes;

wherein each jaw member comprises a cam slot;

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wherein each cam slot is a space formed by opposed cam walls located in the jaw member;

wherein the cam walls form a locking portion and a pivoting portion;

wherein the distance between the cam walls of the locking portion is substantially equal to the distance between the cam walls of the pivoting portion;

a cam pin attached to the actuator;

wherein a portion of the cam pin is located in each cam slot and movable in first and second directions therein; and

wherein the cam pin is movable in the first direction from the pivoting portion to the locking portion of each cam slot such that when the cam pin is located in the locking portions, they selectively prevent movement of the cam pin in the second direction to hold the opposable jaw members in position.

13. (Previously Presented) The gripper assembly of Claim 12, wherein each cam slot comprises a second locking portion; and

wherein the cam pin is movable in the second direction from the pivoting portion to the second locking portion of each cam slot.

14. (Previously Presented) The gripper assembly of Claim 13, wherein the cam pin is selectively prevented from moving in the first direction when the cam pin is located in the second locking portions to hold the opposable jaw members in position.

15. (Previously Presented) The gripper assembly of Claim 14, wherein each cam slot comprises first and second closed ends;

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wherein each closed end comprises a locking portion; and

wherein, the pivoting portion of each cam slot is located between the first and second closed ends of each cam slot.

16. (Previously Presented) The gripper assembly of Claim 12, wherein the opposable jaw members are held in a closed position when the cam pin is prevented from moving in the second direction when located in the locking portions.

17. (Previously Presented) The gripper assembly of Claim 14, wherein the opposable jaw members are held in an open position when the cam pin is prevented from moving in a first direction when located in the second locking portions.

18. (Previously Presented) The gripper assembly of Claim 12, wherein the cam pin is selectively prevented from moving into the pivoting portion by the locking portion when the cam pin is located in the locking portion.